

Appl No.: 10/811,595

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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1(Currently Amended). A portable tent enclosure for protection of inhabitants inside of the tent enclosure against biological and chemical airborne agents and nuclear fallout, and for filtering out contaminated air from exiting the structure, consisting essentially of comprising:

a collapsible frame formed from bendable poles arranged in a cross-configuration to one another, wherein the poles are fit within sleeve portions on the sheet material;

a dome shaped enclosure consisting of walls and a floor that are solely formed from a flexible and foldable multi-layer sheet material , the flexible and foldable multi-layer sheet material having a thickness between approximately 4 to approximately 12 mils thick, the dome shaped enclosure having walls and a floor that is only supported by the bendable poles of the frame, the flexible and foldable multi-layer sheet material being water and air tight and impervious to biological and chemical airborne agents, wherein the dome shaped frame and sheet material that form the enclosure when assembled protects and seals occupants from the biological and chemical airborne agents and nuclear fallout;

a sealable ingress portal having multi-layer fasteners through one of the walls of the enclosure, the multi-layer fasteners being airtight and water tight in a closed position;
and

a first multi-stage air filter system entirely located outside and spaced from the dome shaped enclosure is directly connected to the enclosure through a first single plastic duct. the first multi-stage air filter that includes:

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a positive pressure input blower for blowing air into the enclosure through the first single plastic duct, and for continuously providing and maintaining a positive pressure inside the enclosure that does not leak out from both the flexible and foldable multi-layer sheet material, and from the multi-layer fasteners in the sealable ingress portal;

a first filter for absorbing odors entering the enclosure;

a second filter for capturing radioactive sized particles from entering the enclosure;

a third filter for killing microbes from entering the enclosure, the third filter includes an UV(ultraviolet) light source for killing the microbes, wherein the first multi-stage air filter system cleans contaminated air from entering into the enclosure; and

a second multi-stage air filter system entirely located outside and spaced from the dome shaped enclosure is directly connected to the enclosure through a second single plastic duct, the second multi-stage air filter system that includes:

a negative pressure output exhaust blower for forming a negative pressure inside the enclosure, and for filtering out contaminated air from passing outside of the enclosure;

a fourth filter for absorbing odors exiting the enclosure;

a fifth filter for capturing substantially all radioactive sized particles from exiting the enclosure; and

a sixth filter for killing microbes from exiting the enclosure, the sixth filter includes a UV(ultraviolet) light source for killing the microbes, wherein the second multi-stage air filter system is for filtering out contaminated air through the fourth filter, the fifth filter and the sixth filter, in order to prevent the contaminated air from being exhausted out of the enclosure.

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Claim 2(Canceled).

Claim 3(Currently Amended). The enclosure of claim 1_2, wherein each of the poles includes: telescoping rods.

Claim 4(Canceled).

Claim 5(Canceled).

Claims 6-7(Canceled).

Claim 8(Currently Amended). The enclosure of claim 1, further comprising:
an adjustable release valve attached to the enclosure for venting and releasing selected excess air pressure of approximately one pound per square inch from the enclosure.

Claim 9(Previously Presented). The enclosure of claim 1, wherein the second filter and fifth filter each includes:
a filter that filters out the radioactive sized particles of at least approximately 0.3 microns in size.

Claim 10(Original). The enclosure of claim 1, further comprising:

an assembled size of at least approximately six feet by approximately nine feet wide by approximately seven feet high in order to hold at least two occupants.

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Claim 11(Currently Amended). The enclosure of claim 1, wherein the multi-layer fasteners in the sealable ingress portal includes further comprising:

a watertight and airtight zipper fastener along an opening on at least one outer wall of the enclosure, the zipper fastener for opening and sealing the enclosure.

Claims 12-20(Cancelled).

Claim 21(Previously Presented). The enclosure of claim 1, further comprising: an input electrostatic filter that is electrostatically charged for filtering out additional particles from entering the enclosure, and an output electrostatic filter that is electrostatically charged for filtering out other particles from exiting the enclosure.

Claim 22(Canceled).

Claim 23(Currently Amended). A portable tent enclosure for protection of inhabitants inside of the tent enclosure against biological and chemical airborne agents and nuclear fallout, and for filtering out contaminated air to outside the structure, consisting essentially of comprising:

a collapsible frame formed from bendable poles arranged in a cross-configuration to one another, wherein the poles are fit within sleeve portions on the sheet material;

a dome shaped enclosure consisting of walls and a floor that are solely formed from a flexible and foldable multi-layer sheet material, the flexible and foldable multi-layer sheet material having a thickness between approximately 6 to approximately 8 mils thick, the dome shaped enclosure having walls and a floor that is solely supported by the

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bendable poles of the frame, the flexible and foldable multi-layer sheet material being water and air tight and impervious to biological and chemical airborne agents, each layer in the multi-layer sheet material being sealed to one another by radio frequency welding, wherein the dome shaped enclosure when assembled has frame and sheet material form the enclosure having dimensions of at least approximately six feet by approximately nine feet wide by approximately seven feet high in order to hold at least two occupants, and large enough to protect and seal the occupants from the biological and chemical airborne agents and nuclear fallout;

a sealable ingress portal having multi-layer zipper fasteners through one of the walls of the enclosure, the multi-layer zipper fasteners being airtight and water tight in a closed position, each layer in the multi-layer fasteners being sealed to one another by radio frequency welding;

a first multi-stage air filter system entirely located outside and spaced apart from the dome shaped enclosure and directly connected to the enclosure solely through a first single plastic duct having a diameter of at least approximately 3 inches, the first multi-stage air filter that includes:

a positive pressure input blower for blowing air into the enclosure and for providing and continuously maintaining a positive pressure inside the enclosure through the first single plastic duct, where the positive pressure does not leak out from both the flexible and foldable multi-layer sheet material, and from the multi-layer fasteners in the sealable ingress portal;

a first filter in series with the positive pressure input blower, for absorbing odors entering the enclosure;

a second filter in series with the second filter, for capturing radioactive sized particles of at least approximately 0.3 microns in size from entering the enclosure;

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a third filter in series with the second filter, having an ultraviolet light source for killing microbes from entering the enclosure, wherein the multi-stage air filter system cleans contaminated air from entering into the enclosure;

a fourth filter in series with the third filter, that is electrostatically charged for filtering out additional particles from entering the enclosure, with the positive pressure input blower between the first filter and the dome shaped enclosure and

a second multi-stage air filter system entirely located outside and spaced apart from the dome shaped enclosure, and being directly connected to the enclosure solely through a second single plastic duct having a diameter of at least approximately three inches, the second single plastic duct being different from and separate from the first single plastic duct, the second multi-stage air filter system that includes:

a negative pressure output exhaust blower separate from the positive pressure output exhaust blower, for forming a negative pressure inside the enclosure through the second single plastic duct, and for filtering out contaminated air from exiting outside of the enclosure;

a fifth filter in series with the negative pressure output exhaust blower, for absorbing odors exiting the enclosure;

a sixth filter in series with the fifth filter, for capturing radioactive sized particles of at least approximately 0.3 microns in size from exiting the enclosure; and

a seventh filter in series with the sixth filter, for killing microbes from exiting the enclosure;

an eighth filter in series with the seventh filter, that is electrostatically charged for filtering out additional particles from exiting the enclosure, wherein the second multi-stage air filter system is for filtering out contaminated air through the fifth filter, the sixth filter and the seventh filter and eighth filter, in

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order to prevent the contaminated air from being exhausted out of the enclosure,
the negative pressure output blower being spaced apart from the dome shaped
enclosure by the fifth, the sixth, the seventh and the eighth filters;
an adjustable release valve attached to the enclosure for venting and releasing
selected excess air pressure of approximately one pound per square inch from the
enclosure; and
external power supplies located outside of the enclosure for supplying power to
equipment inside of the enclosure through cable lines that run through the walls of the
enclosure, the external power supplies being solely selected from the group consisting of
solar power and rechargeable batteries.

Claims 24-30(Canceled).

Claim 31(New). The enclosure of claim 1, wherein the flexible and foldable multi-layer sheet material having a thickness between approximately 6 to approximately 8 mils thick.

Claim 32(New). The enclosure of claim 1, wherein the first single plastic duct of the first multi-stage air filter system, and the second single plastic duct of the second multi-stage air filter system each include a diameter of at least approximately 3 inches in diameter.

Claim 33(New). The enclosure of claim 1, further comprising:

external power supplies located outside of and spaced apart from the enclosure for supplying power to equipment inside of the enclosure through cable lines that run through the walls of the enclosure, the external power supplies being solely selected from the group consisting of solar power and rechargeable batteries.

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Claim 34(New). The enclosure of claim 1, wherein the positive pressure input blower and the first filter and the second filter and the third filter are in series with one another, with the positive pressure input blower between the first filter and the dome shaped enclosure, and the negative pressure output blower and the fourth filter and the fifth filter and the sixth filter are in series with one another, the negative pressure output blower being spaced apart from the dome shaped enclosure by the fourth, the fifth and the sixth filters.

Claim 35(New). The enclosure of claim 1, each layer in the multi-layer sheet material being sealed to one another by radio frequency welding.